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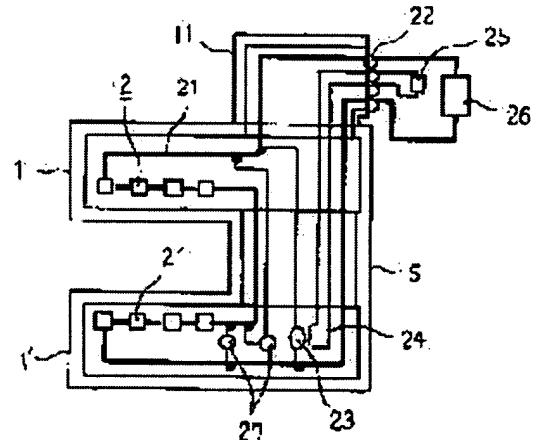
KURODA SHIGENORI

(54) SUPERCONDUCTING MAGNET DEVICE AND ITS PRODUCTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a superconducting magnet device for reducing difficulty and the amount of man power required in a work for connecting a connection pipe to a pair of cryostats with reliability at a low cost and to provide its manufacturing method.

SOLUTION: The pair of cryostats 1 and 1' which are respectively constituted of a superconducting coil 2, a low temperature vessel for storing the superconducting coil and a vacuum insulation vessel for storing the low temperature vessel are mutually arranged to face each other. The cryostats 1 and 1' are connected by one connection part 5 which incorporates an electric circuit 21 for connecting the superconducting coils 2, a coolant duct for the communication of the low-temperature vessels and a vacuum duct for the communication of the vacuum insulation vessels.



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